SUBJECT INDEX

Absorption

Surface Zone Concrete: Drying, Absorption, and Moisture Distribution, W. J. McCarter, D. W. Watson and T. M. Chrisp, MT Jan./Feb. 01, p49-57.

Admixtures

Full Factorial Optimization of Concrete Mix Design for Hot Climates, K. A. Soudki, E. F. El-Salakawy and N. B. Elkum, MT Nov./Dec. 01, p427-433.

Aggregate gradation

Mass Concrete Mixtures Based on Fineness Modulus and Geometrical Gradation, R. M. Bittencourt, J. T. F. Fontoura, W. Pacelli de Andrade and P. J. M. Monteiro, MT Jan./Feb. 01, p33-40.

Aggregates

RCC Mix Design—Soils Approach, Ying-Kit Choi, P.E. and Jeffrey L. Groom, P.E., MT Jan./Feb. 01, p71-76.

Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, P. Romero and E. Masad, MT Jan./Feb. 01, p77-84.

Thermogravimetric Analysis of Carbonate Aggregates, Mohamed Nagib Abou-Zeid and Stephen A. Cross, P.E., MT May 99, p98-104.

Time Effect of Alkali-Aggregate Reaction on Performance of Concrete, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Mar./Apr. 01, p143-151.

Aging

Effect of Treatments on Pore Network of Granites, A. C. Iñigo, S. Vicente-Tavera, M. A. Vicente and V. Rives, MT May/June 01, p166-168.

Air entrainment

Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Anisotropic materials

Anisotropic Elastic Constants: Measurement by Impact Resonance, Paul Heyliger, Pontus Ugander and Hassel Ledbetter, MT Sept./Oct. 01, p356-363.

Anisotropy

Effect of Polar Anisotropy of Wood Loaded Perpendicular to Grain, Simon Aicher, Gerhard Dill-Langer and Lilian Höfflin, MT Jan./Feb. 01, p2-9.

ASCE Publications

Editorial, Antonio Nanni, MT Jan./Feb. 01, p1.

Asphalt cement

Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, P. Romero and E. Masad, MT Jan./Feb. 01, p77-84.

Asphalt pavements

Stabilization of Sebkha Soil Using Foamed Asphalt, Ibrahim Mohammed Asi, MT Sept./Oct. 01, p325-331.

Asphalts

Laboratory Evaluation of Fatigue Damage and Healing of Asphalt Mixtures, Jo Sias Daniel and Y. Richard Kim, MT Nov./Dec. 01, p434-440.

Stabilization of Sebkha Soil Using Foamed Asphalt, Ibrahim Mohammed Asi, MT Sept./Oct. 01, p325-331.

Unifying Asphalt Rheological Data Using the Material's Volumetric-Flow Rate, Aroon Shenoy, MT July/Aug. 01, p260-273.

Bars

Effect of Bars Properties on Bond Strength of Galvanized Reinforcement, F. Belaïd, G. Arliguie and R. François, MT Nov./Dec. 01, p454-458.

Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, Tarek Uddin Mohammed, Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201.

Experimental and Analytical Evaluation of Bond Properties of GFRP Bars, M. Pecce, G. Manfred, R. Realfonzo and E. Cosenza, MT July/Aug. 01, p282-290.

Beams

Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, Christopher K. Y. Leung, MT Mar./Apr. 01, p106-113.

Effect of Variables on Shear Strength of Concrete Beams, Karim S. Rebeiz, Javier Fente and Michael A. Frabizzio, MT Nov./Dec. 01, p467-470.

Bending

Size-Effect on Fatigue in Bending of Concrete, Jun Zhang, Victor C. Li and Henrik Stang, MT Nov./Dec. 01, p446-453.

Biaxial stress

Masonry Failure Criterion under Biaxial Stress State, C. A. Syrmakezis and P. G. Asteris, MT Jan./Feb. 01, p58-64.

Bitumen

Recycled Polymers for Use as Bitumen Modifiers, M. Murphy, M. O'Mahony, C. Lycett and I. Jamieson, MT July/Aug. 01, p306-314.

Bonding

About Debonding of Thin Cement-Based Overlays, J. L. Granju, MT Mar./Apr. 01, p114-120.

Compressive Behavior of Concrete with Vitrified Soil Aggregate, Shane M. Palmquist, Daniel C. Jansen and Christopher W. Swan, MT Sept./Oct. 01, p389-394.

Experimental and Analytical Evaluation of Bond Properties of GFRP Bars, M. Pecce, G. Manfred, R. Realfonzo and E. Cosenza, MT July/Aug. 01, p282-290.

Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, C. Andrade, A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324.

Bonding strength

Effect of Bars Properties on Bond Strength of Galvanized Reinforcement, F. Belaïd, G. Arliguie and R. François, MT Nov./Dec. 01, p454-458.

Evaluation of Bond Properties in Concrete Repair Materials, Kunieda Minoru, Kamada Toshiro, Uchida Yuichi and Rokugo Keitetsu, MT Mar./Apr. 01, p98-105.

Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix, Carl Redon, Victor C. Li, Cynthia Wu, Hideki Hoshiro, Tadashi Saito and Atsuhisa Ogawa, MT Nov./Dec. 01, p399-406.

Brick masonry

Review of Water Ingress Characteristic of Stressed Masonry, C. J. Tait, F. M. Khalaf and A. Kermani, MT Sept./Oct. 01, p332-339.

Bridges, highway

Fracture and Fatigue Strength of Slabs Repaired with D-RAP Method, H. Matsushima, T. Watanabe, M. Yasui, W. Koyanagi and T. Aoki, MT Mar./Apr. 01, p130-135.

Brittleness

Fracture Properties of High-Strength Concrete, Zhang Dong and Wu Keru, MT Jan./Feb. 01, p86-88.

Buckling

Long-Term Buckling Performance of HDPE Liners, Reda M. Bakeer, Michael E. Barber, John E. Taylor and Sean E. Pechon, MT May/June 01, p176-184.

Carbonate rocks

Thermogravimetric Analysis of Carbonate Aggregates, Mohamed Nagib Abou-Zeid and Stephen A. Cross, P.E., MT May 99, p98-104.

Cathodic protection

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

Cement paste

Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Cementation

RCC Mix Design—Soils Approach, Ying-Kit Choi, P.E. and Jeffrey L. Groom, P.E., MT Jan./Feb. 01, p71-76.

Cements

About Debonding of Thin Cement-Based Overlays, J. L. Granju, MT Mar./Apr. 01, p114-120.

Chemical Reactions of Glass Cullet Used as Cement Component, Thomas D. Dyer and Ravindra K. Dhir, MT Nov./Dec. 01, p412-417.

Curing/Environment Effect on Pore Structure of Blended Cement Concrete, N. R. Shattaf, A. M. Alshamsi and R. N. Swamy, MT Sept./Oct. 01, p380-388.

Enhancing Water Resistance of Cement and Gypsum-Cement Materials, Konstantin Kovler, MT Sept./Oct. 01, p349-355.

Mass Concrete Mixtures Based on Fineness Modulus and Geometrical Gradation, R. M. Bittencourt, J. T. F. Fontoura, W. Pacelli de Andrade and P. J. M. Monteiro, MT Jan./Feb. 01, p33-40.

Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Studies on Several Factors Affecting Hydration and Properties of Lime–Pozzolan Cements, Caijun Shi, MT Nov./Dec. 01, p441-445.

Time Effect of Alkali-Aggregate Reaction on Performance of Concrete, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Mar./Apr. 01, p143-151.

Chemical reactions

Chemical Reactions of Glass Cullet Used as Cement Component, Thomas D. Dyer and Ravindra K. Dhir, MT Nov./Dec. 01, p412-417.

Chlorides

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.

Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, M. Ramasubramanian, B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17.

Coastal environment

Development of a Geomaterial from Dredged Bay Mud, Takashi Tsuchida, Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160.

Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.

Coating

Durability Evaluation of Intumescent Coating for Steel Frames, Y. Sakumoto, J. Nagata, A. Kodaira and Y. Saito, MT July/Aug. 01, p274-281.

Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Compliance

Fitting Prony-Series Viscoelastic Models with Power-Law Presmoothing, S. W. Park, and Y. R. Kim, MT Jan./Feb. 01, p26-32.

Composite materials

Flexural Behavior of Composite Reinforced Concrete Elements, Fatih Altun and Tefaruk Haktanir, MT July/Aug. 01, p255-259.

Punching Shear Strength of Simply Supported Ferrocement Slabs, M. A. Mansur, I. Ahmad and P. Paramasivam, MT Nov./Dec. 01, p418-426.

Compressive strength

Compressive Behavior of Concrete with Vitrified Soil Aggregate, Shane M. Palmquist, Daniel C. Jansen and Christopher W. Swan, MT Sept./Oct. 01, p389-394.

High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete, Maria de Lurdes B. C. Reis, I. Cabrita Neves, A. J. B. Tadeu and João Paulo C. Rodrigues, MT May/June 01, p230-234.

Long-Term Strength and Durability of Soil Cement, Sabry A. Shihata and Zaki A. Baghdadi, MT May/June 01, p161-165.

Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Simplified Method to Assess Freeze-Thaw Durability of Soil Cement, S. A. Shihata and Z. A. Baghdadi, MT July/Aug. 01, p243-247.

Concrete

About Debonding of Thin Cement-Based Overlays, J. L. Granju, MT Mar./Apr. 01, p114-120.

Chemical Reactions of Glass Cullet Used as Cement Component, Thomas D. Dyer and Ravindra K. Dhir, MT Nov./Dec. 01, p412-417.

Curing/Environment Effect on Pore Structure of Blended Cement Concrete, N. R. Shattaf, A. M. Alshamsi and R. N. Swamy, MT Sept./Oct. 01, p380-388.

Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, Christopher K. Y. Leung, MT Mar./Apr. 01, p106-113.

Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, Tarek Uddin Mohammed, Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201.

Effect of Variables on Shear Strength of Concrete Beams, Karim S. Rebeiz, Javier Fente and Michael A. Frabizzio, MT Nov./Dec. 01, p467-470.

Evaluation of Bond Properties in Concrete Repair Materials, Kunieda Minoru, Kamada Toshiro, Uchida Yuichi and Rokugo Keitetsu, MT Mar./Apr. 01, p98-105.

Modeling of Concrete Cracking Induced by Steel Expansion, Christopher K. Y. Leung, MT May/June 01, p169-175.

Size–Effect on Fatigue in Bending of Concrete, Jun Zhang, Victor C. Li and Henrik Stang, MT Nov./Dec. 01, p446-453.

Special Issue on Fracture Mechanics in Concrete Repair/Strengthening, T. C. Triantafillou, MT Mar./Apr. 01, p89.

Surface Zone Concrete: Drying, Absorption, and Moisture Distribution, W. J. McCarter, D. W. Watson and T. M. Chrisp, MT Jan./Feb. 01, p49-57.

Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, C. Andrade, A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324.

Triaxial Tests of Fiber-Reinforced Concrete, S. J. Pantazopoulou and M. Zanganeh, MT Sept./Oct. 01, p340-348.

Concrete aggregates

Compressive Behavior of Concrete with Vitrified Soil Aggregate, Shane M. Palmquist, Daniel C. Jansen and Christopher W. Swan, MT Sept./Oct. 01, p389-394.

Full Factorial Optimization of Concrete Mix Design for Hot Climates, K. A. Soudki, E. F. El–Salakawy and N. B. Elkum, MT Nov./Dec. 01, p427-433.

Mass Concrete Mixtures Based on Fineness Modulus and Geometrical Gradation, R. M. Bittencourt, J. T. F. Fontoura, W. Pacelli de Andrade and P. J. M. Monteiro, MT Jan./Feb. 01, p33-40.

Concrete blocks

Source of Jointing Sand for Concrete Block Pavement, Bikasha Chandra Panda and Ashok Kumar Ghosh, MT May/June 01, p235-237.

Concrete durability

Accelerated Test for Measuring Sulfate Resistance of Calcium Sulfoaluminate, Calcium Aluminate, and Portland Cements, K. E. Kurtis, K. Shomglin, P. J. M. Monteiro, J. Harvey and J. Roesler, MT May/June 01, p216-221.

Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.

Materials Considerations in FRP Rehabilitation of Concrete Structures, Vistasp M. Karbhari, MT Mar./Apr. 01, p90-97.

Time Effect of Alkali-Aggregate Reaction on Performance of Concrete, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Mar./Apr. 01, p143-151.

Concrete pavements

Source of Jointing Sand for Concrete Block Pavement, Bikasha Chandra Panda and Ashok Kumar Ghosh, MT May/June 01, p235-237.

Concrete properties

Coaxial Transmission Lines: Development of Test Procedures for Concrete, S. G. Millard, I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208.

Concrete, reinforced

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.

Flexural Behavior of Composite Reinforced Concrete Elements, Fatih Altun and Tefaruk Haktanir, MT July/Aug. 01, p255-259.

Use of Electrodeposition for Repair of Concrete with Shrinkage Cracks, Nobuaki Otsuki and Jae-Suk Ryu, MT Mar./Apr. 01, p136-142.

Concrete slabs

Fracture and Fatigue Strength of Slabs Repaired with D-RAP Method, H. Matsushima, T. Watanabe, M. Yasui, W. Koyanagi and T. Aoki, MT Mar./Apr. 01, p130-135.

Concrete structures

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

Experimental and Analytical Evaluation of Bond Properties of GFRP Bars, M. Pecce, G. Manfred, R. Realfonzo and E. Cosenza, MT July/Aug. 01, p282-290.

Materials Considerations in FRP Rehabilitation of Concrete Structures, Vistasp M. Karbhari, MT Mar./Apr. 01, p90-97.

Constitutive models

Complete Triaxial Stress-Strain Curves of High-Strength Concrete, D. C. Candappa, J. G. Sanjayan and S. Setunge, MT May/June 01, p209-215.

Construction materials

Development of a Geomaterial from Dredged Bay Mud, Takashi Tsuchida, Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160.

Corrosion

Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.

Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, Tarek Uddin Mohammed, Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201.

Corrosion control

Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, M. Ramasubramanian, B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17.

Corrosion resistance

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

Coverings

About Debonding of Thin Cement-Based Overlays, J. L. Granju, MT Mar./Apr. 01, p114-120.

Cracking

Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, Tarek Uddin Mohammed, Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201.

Effect of Variables on Shear Strength of Concrete Beams, Karim S. Rebeiz, Javier Fente and Michael A. Frabizzio, MT Nov./Dec. 01, p467-470.

Evaluation of Bond Properties in Concrete Repair Materials, Kunieda Minoru, Kamada Toshiro, Uchida Yuichi and Rokugo Keitetsu, MT Mar./Apr. 01, p98-105.

Modeling of Concrete Cracking Induced by Steel Expansion, Christopher K. Y. Leung, MT May/June 01, p169-175.

Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Size–Effect on Fatigue in Bending of Concrete, Jun Zhang, Victor C. Li and Henrik Stang, MT Nov./Dec. 01, p446-453.

Use of Electrodeposition for Repair of Concrete with Shrinkage Cracks, Nobuaki Otsuki and Jae-Suk Ryu, MT Mar./Apr. 01, p136-142.

Creep

Fitting Prony-Series Viscoelastic Models with Power-Law Presmoothing, S. W. Park, and Y. R. Kim, MT Jan./Feb. 01, p26-32.

Time-Dependent Creep Behavior of Particulate Materials, M. Y. Abyaneh, M. J. Keedwell and C. Leppard, MT May/June 01, p222-228.

Curing

Curing/Environment Effect on Pore Structure of Blended Cement Concrete, N. R. Shattaf, A. M. Alshamsi and R. N. Swamy, MT Sept./Oct. 01, p380-388.

Cyclic loads

Damage of Marble from Cyclic Loading, Sara Cattaneo and Joseph F. Labuz, MT Nov./Dec. 01, p459-465.

Damage

Damage of Marble from Cyclic Loading, Sara Cattaneo and Joseph F. Labuz, MT Nov./Dec. 01, p459-465.

Laboratory Evaluation of Fatigue Damage and Healing of Asphalt Mixtures, Jo Sias Daniel and Y. Richard Kim, MT Nov./Dec. 01, p434-440.

Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Damage patterns

Fracture Properties of High-Strength Concrete, Zhang Dong and Wu Keru, MT Jan./Feb. 01, p86-88.

Decay

Special Issue on Fracture Mechanics in Concrete Repair/Strengthening, T. C. Triantafillou, MT Mar./Apr. 01, p89.

Deformation

Pullout Tests on Deformed and Plain Rebars in Cement-Stabilized Rammed Earth, Peter J. Walker and Stephen Dobson, MT July/Aug. 01, p291-297.

Time-Dependent Creep Behavior of Particulate Materials, M. Y. Abyaneh, M. J. Keedwell and C. Leppard, MT May/June 01, p222-228.

Delaminating

Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, Christopher K. Y. Leung, MT Mar./Apr. 01, p106-113.

Dielectric constant

Coaxial Transmission Lines: Development of Test Procedures for Concrete, S. G. Millard, I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208.

Dredge spoil

Development of a Geomaterial from Dredged Bay Mud, Takashi Tsuchida, Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160.

Durability

Durability Evaluation of Intumescent Coating for Steel Frames, Y. Sakumoto, J. Nagata, A. Kodaira and Y. Saito, MT July/Aug. 01, p274-281.

Long-Term Strength and Durability of Soil Cement, Sabry A. Shihata and Zaki A. Baghdadi, MT May/June 01, p161-165.

Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, C. Andrade, A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324.

Thermogravimetric Analysis of Carbonate Aggregates, Mohamed Nagib Abou-Zeid and Stephen A. Cross, P.E., MT May 99, p98-104.

Earth reinforcement

Pullout Tests on Deformed and Plain Rebars in Cement-Stabilized Rammed Earth, Peter J. Walker and Stephen Dobson, MT July/Aug. 01, p291-297.

Elastic properties

Anisotropic Elastic Constants: Measurement by Impact Resonance, Paul Heyliger, Pontus Ugander and Hassel Ledbetter, MT Sept./Oct. 01, p356-363.

Elasticity

Anisotropic Elastic Constants: Measurement by Impact Resonance, Paul Heyliger, Pontus Ugander and Hassel Ledbetter, MT Sept./Oct. 01, p356-363.

Electrical measurement

Surface Zone Concrete: Drying, Absorption, and Moisture Distribution, W. J. McCarter, D. W. Watson and T. M. Chrisp, MT Jan./Feb. 01, p49-57.

Electrolysis

Use of Electrodeposition for Repair of Concrete with Shrinkage Cracks, Nobuaki Otsuki and Jae-Suk Ryu, MT Mar./Apr. 01, p136-142.

Evaluation

Durability Evaluation of Intumescent Coating for Steel Frames, Y. Sakumoto, J. Nagata, A. Kodaira and Y. Saito, MT July/Aug. 01, p274-281.

Experimental and Analytical Evaluation of Bond Properties of GFRP Bars, M. Pecce, G. Manfred, R. Realfonzo and E. Cosenza, MT July/Aug. 01, p282-290.

Failure surface

Masonry Failure Criterion under Biaxial Stress State, C. A. Syrmakezis and P. G. Asteris, MT Jan./Feb. 01, p58-64.

Failures

Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, Christopher K. Y. Leung, MT Mar./Apr. 01, p106-113.

Special Issue on Fracture Mechanics in Concrete Repair/Strengthening, T. C. Triantafillou, MT Mar./Apr. 01, p89.

Fatigue

Damage of Marble from Cyclic Loading, Sara Cattaneo and Joseph F. Labuz, MT Nov./Dec. 01, p459-465.

Laboratory Evaluation of Fatigue Damage and Healing of Asphalt Mixtures, Jo Sias Daniel and Y. Richard Kim, MT Nov./Dec. 01, p434-440.

Size–Effect on Fatigue in Bending of Concrete, Jun Zhang, Victor C. Li and Henrik Stang, MT Nov./Dec. 01, p446-453.

Fatigue strength

Fracture and Fatigue Strength of Slabs Repaired with D-RAP Method, H. Matsushima, T. Watanabe, M. Yasui, W. Koyanagi and T. Aoki, MT Mar./Apr. 01, p130-135.

Fiber reinforced materials

Experimental and Analytical Evaluation of Bond Properties of GFRP Bars, M. Pecce, G. Manfred, R. Realfonzo and E. Cosenza, MT July/Aug. 01, p282-290.

Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Static and Dynamic Behavior of Extruded Sheets with Short Fibers, Zongjin Li, Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254.

Triaxial Tests of Fiber-Reinforced Concrete, S. J. Pantazopoulou and M. Zanganeh, MT Sept./Oct. 01, p340-348.

Fiber reinforced plastics

Materials Considerations in FRP Rehabilitation of Concrete Structures, Vistasp M. Karbhari, MT Mar./Apr. 01, p90-97.

Fibers

Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix, Carl Redon, Victor C. Li, Cynthia Wu, Hideki Hoshiro, Tadashi Saito and Atsuhisa Ogawa, MT Nov./Dec. 01, p399-406.

Field tests

Development of a Geomaterial from Dredged Bay Mud, Takashi Tsuchida, Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160.

Fineness

Mass Concrete Mixtures Based on Fineness Modulus and Geometrical Gradation, R. M. Bittencourt, J. T. F. Fontoura, W. Pacelli de Andrade and P. J. M. Monteiro, MT Jan./Feb. 01, p33-40.

Finite element method

Effect of Polar Anisotropy of Wood Loaded Perpendicular to Grain, Simon Aicher, Gerhard Dill-Langer and Lilian Höfflin, MT Jan./Feb. 01, p2-9.

Fracture Analysis of High Strength Concrete Members, Rajendra K. Navalurkar and Cheng-Tzu Thomas Hsu, MT May/June 01, p185-193.

Finite elements

Fracture Mechanics of Marble Using a Splitting Tension Test, T. Celestino, R. Piltner, P. J. M. Monteiro and C. P. Ostertag, MT Nov./Dec. 01, p407-411.

Flexure

Flexural Behavior of Composite Reinforced Concrete Elements, Fatih Altun and Tefaruk Haktanir, MT July/Aug. 01, p255-259.

Flow measurement

Unifying Asphalt Rheological Data Using the Material's Volumetric-Flow Rate, Aroon Shenoy, MT July/Aug. 01, p260-273.

Flow rates

Unifying Asphalt Rheological Data Using the Material's Volumetric-Flow Rate, Aroon Shenoy, MT July/Aug. 01, p260-273.

Fly ash

Microstructural Development in Fly Ash Modified with Lime and Gypsum, Ambarish Ghosh and Chillara Subbarao, MT Jan./Feb. 01, p65-70.

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

Fracture mechanics

Evaluation of Bond Properties in Concrete Repair Materials, Kunieda Minoru, Kamada Toshiro, Uchida Yuichi and Rokugo Keitetsu, MT Mar./Apr. 01, p98-105.

Fracture Properties of High-Strength Concrete, Zhang Dong and Wu Keru, MT Jan./Feb. 01, p86-88.

Special Issue on Fracture Mechanics in Concrete Repair/Strengthening, T. C. Triantafillou, MT Mar./Apr. 01, p89.

Fracture strength

Fracture and Fatigue Strength of Slabs Repaired with D-RAP Method, H. Matsushima, T. Watanabe, M. Yasui, W. Koyanagi and T. Aoki, MT Mar./Apr. 01, p130-135.

Fracture Mechanics of Marble Using a Splitting Tension Test, T. Celestino, R. Piltner, P. J. M. Monteiro and C. P. Ostertag, MT Nov./Dec. 01, p407-411.

Fractures

Fracture Analysis of High Strength Concrete Members, Rajendra K. Navalurkar and Cheng-Tzu Thomas Hsu, MT May/June 01, p185-193.

Modeling of Concrete Cracking Induced by Steel Expansion, Christopher K. Y. Leung, MT May/June 01, p169-175.

Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Glass

Chemical Reactions of Glass Cullet Used as Cement Component, Thomas D. Dyer and Ravindra K. Dhir, MT Nov./Dec. 01, p412-417.

Gypsum

Enhancing Water Resistance of Cement and Gypsum-Cement Materials, Konstantin Kovler, MT Sept./Oct. 01, p349-355.

Microstructural Development in Fly Ash Modified with Lime and Gypsum, Ambarish Ghosh and Chillara Subbarao, MT Jan./Feb. 01, p65-70.

Heat treatment

Residual Stresses in Heat-Straightened Steel Members, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Jan./Feb. 01, p18-25.

High strength concretes

Complete Triaxial Stress-Strain Curves of High-Strength Concrete, D. C. Candappa, J. G. Sanjayan and S. Setunge, MT May/June 01, p209-215.

Fracture Analysis of High Strength Concrete Members, Rajendra K. Navalurkar and Cheng-Tzu Thomas Hsu, MT May/June 01, p185-193.

Fracture Properties of High-Strength Concrete, Zhang Dong and Wu Keru, MT Jan./Feb. 01, p86-88.

High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete, Maria de Lurdes B. C. Reis, I. Cabrita Neves, A. J. B. Tadeu and João Paulo C. Rodrigues, MT May/June 01, p230-234.

Hot weather construction

Full Factorial Optimization of Concrete Mix Design for Hot Climates, K. A. Soudki, E. F. El–Salakawy and N. B. Elkum, MT Nov./Dec. 01, p427-433.

Hydration

Studies on Several Factors Affecting Hydration and Properties of Lime–Pozzolan Cements, Caijun Shi, MT Nov./Dec. 01, p441-445.

Image analysis

Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, P. Romero and E. Masad, MT Jan./Feb. 01, p77-84.

Interfaces

Effect of Bars Properties on Bond Strength of Galvanized Reinforcement, F. Belaid, G. Arliguie and R. François, MT Nov./Dec. 01, p454-458.

Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix, Carl Redon, Victor C. Li, Cynthia Wu, Hideki Hoshiro, Tadashi Saito and Atsuhisa Ogawa, MT Nov./Dec. 01, p399-406.

Jacking

Residual Stresses in Heat-Straightened Steel Members, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Jan./Feb. 01, p18-25.

Joints

Masonry Failure Criterion under Biaxial Stress State, C. A. Syrmakezis and P. G. Asteris, MT Jan./Feb. 01, p58-64.

Laboratory tests

Laboratory Evaluation of Fatigue Damage and Healing of Asphalt Mixtures, Jo Sias Daniel and Y. Richard Kim, MT Nov./Dec. 01, p434-440.

Laminated wood

Effect of Polar Anisotropy of Wood Loaded Perpendicular to Grain, Simon Aicher, Gerhard Dill-Langer and Lilian Höfflin, MT Jan./Feb. 01, p2-9.

Lime

Microstructural Development in Fly Ash Modified with Lime and Gypsum, Ambarish Ghosh and Chillara Subbarao, MT Jan./Feb. 01, p65-70.

Marble

Damage of Marble from Cyclic Loading, Sara Cattaneo and Joseph F. Labuz, MT Nov./Dec. 01, p459-465.

Fracture Mechanics of Marble Using a Splitting Tension Test, T. Celestino, R. Piltner, P. J. M. Monteiro and C. P. Ostertag, MT Nov./Dec. 01, p407-411.

Masonry

Masonry Failure Criterion under Biaxial Stress State, C. A. Syrmakezis and P. G. Asteris, MT Jan./Feb. 01, p58-64.

Materials

Time-Dependent Creep Behavior of Particulate Materials, M. Y. Abyaneh, M. J. Keedwell and C. Leppard, MT May/June 01, p222-228.

Materials, properties

Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, P. Romero and E. Masad, MT Jan./Feb. 01, p77-84.

Materials tests

Development of a Geomaterial from Dredged Bay Mud, Takashi Tsuchida, Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160.

Mathematical models

Stress-Strain-Temperature Relationship for Structural Steel, K. W. Poh, MT Sept./Oct. 01, p371-379.

Measurement

Technique for Measuring Moisture Storage Capacity at High Moisture Levels, Marten Janz, MT Sept./Oct. 01, p364-370.

Mechanical properties

Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, P. Romero and E. Masad, MT Jan./Feb. 01, p77-84.

Methodology

Simplified Method to Assess Freeze-Thaw Durability of Soil Cement, S. A. Shihata and Z. A. Baghdadi, MT July/Aug. 01, p243-247.

Microstructure

Microstructural Development in Fly Ash Modified with Lime and Gypsum, Ambarish Ghosh and Chillara Subbarao, MT Jan./Feb. 01, p65-70.

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

Mixing

Mass Concrete Mixtures Based on Fineness Modulus and Geometrical Gradation, R. M. Bittencourt, J. T. F. Fontoura, W. Pacelli de Andrade and P. J. M. Monteiro, MT Jan./Feb. 01, p33-40.

Mixtures

Laboratory Evaluation of Fatigue Damage and Healing of Asphalt Mixtures, Jo Sias Daniel and Y. Richard Kim, MT Nov./Dec. 01, p434-440.

Microstructural Development in Fly Ash Modified with Lime and Gypsum, Ambarish Ghosh and Chillara Subbarao, MT Jan./Feb. 01, p65-70.

RCC Mix Design—Soils Approach, Ying-Kit Choi, P.E. and Jeffrey L. Groom, P.E., MT Jan./Feb. 01, p71-76.

Models

Fitting Prony-Series Viscoelastic Models with Power-Law Presmoothing, S. W. Park, and Y. R. Kim, MT Jan./Feb. 01, p26-32.

Modeling of Concrete Cracking Induced by Steel Expansion, Christopher K. Y. Leung, MT May/June 01, p169-175.

Modeling Resilient Modulus and Temperature Correction for Saudi Roads, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305.

Modulus of elasticity

Compressive Behavior of Concrete with Vitrified Soil Aggregate, Shane M. Palmquist, Daniel C. Jansen and Christopher W. Swan, MT Sept./Oct. 01, p389-394.

Fracture Properties of High-Strength Concrete, Zhang Dong and Wu Keru, MT Jan./Feb. 01, p86-88.

Moisture
Technique for Measuring Moisture Storage Capacity at High Moisture Levels, Marten Janz, MT Sept./Oct. 01, p364-370.

Moisture content
RCC Mix Design—Soils Approach, Ying-Kit Choi, P.E. and Jeffrey L. Groom, P.E., MT Jan./Feb. 01, p71-76.
Surface Zone Concrete: Drying, Absorption, and Moisture Distribution, W. J. McCarter, D. W. Watson and T. M. Chrisp, MT Jan./Feb. 01, p49-57.
Technique for Measuring Moisture Storage Capacity at High Moisture Levels, Marten Janz, MT Sept./Oct. 01, p364-370.

Moisture uptake
Technique for Measuring Moisture Storage Capacity at High Moisture Levels, Marten Janz, MT Sept./Oct. 01, p364-370.

Mortars
Masonry Failure Criterion under Biaxial Stress State, C. A. Syrmakezis and P. G. Asteris, MT Jan./Feb. 01, p58-64.
Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix, Carl Redon, Victor C. Li, Cynthia Wu, Hideki Hoshiro, Tadashi Saito and Atsuhisa Ogawa, MT Nov./Dec. 01, p399-406.
Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Mud
Development of a Geomaterial from Dredged Bay Mud, Takashi Tsuchida, Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160.

Nitrites
Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, M. Ramasubramanian, B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17.

Nondestructive tests
Coaxial Transmission Lines: Development of Test Procedures for Concrete, S. G. Millard, I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208.

Numerical models
Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Optimization
Full Factorial Optimization of Concrete Mix Design for Hot Climates, K. A. Soudki, E. F. El-Salakawy and N. B. Elkum, MT Nov./Dec. 01, p427-433.

Pavements
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.
Modeling Resilient Modulus and Temperature Correction for Saudi Roads, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305.

Penetration resistance
Enhancing Water Resistance of Cement and Gypsum-Cement Materials, Konstantin Kovler, MT Sept./Oct. 01, p349-355.

Performance characteristics
Time Effect of Alkali-Aggregate Reaction on Performance of Concrete, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Mar./Apr. 01, p143-151.

Physical properties
Effect of Treatments on Pore Network of Granites, A. C. Iñigo, S. Vicente-Tavera, M. A. Vicente and V. Rives, MT May/June 01, p166-168.

Pipe lining
Long-Term Buckling Performance of HDPE Liners, Reda M. Bakeer, Michael E. Barber, John E. Taylor and Sean E. Pechon, MT May/June 01, p176-184.

Plates
Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, Christopher K. Y. Leung, MT Mar./Apr. 01, p106-113.

Polyethylene
Long-Term Buckling Performance of HDPE Liners, Reda M. Bakeer, Michael E. Barber, John E. Taylor and Sean E. Pechon, MT May/June 01, p176-184.

Polymers
Recycled Polymers for Use as Bitumen Modifiers, M. Murphy, M. O'Mahony, C. Lycett and I. Jamieson, MT July/Aug. 01, p306-314.

Porosity
Curing/Environment Effect on Pore Structure of Blended Cement Concrete, N. R. Shattaf, A. M. Alshamsi and R. N. Swamy, MT Sept./Oct. 01, p380-388.
Effect of Treatments on Pore Network of Granites, A. C. Iñigo, S. Vicente-Tavera, M. A. Vicente and V. Rives, MT May/June 01, p166-168.
Studies on Several Factors Affecting Hydration and Properties of Lime–Pozzolan Cements, Caijun Shi, MT Nov./Dec. 01, p441-445.

Portland cements
Accelerated Test for Measuring Sulfate Resistance of Calcium Sulfoaluminate, Calcium Aluminate, and Portland Cements, K. E. Kurtis, K. Shomglin, P. J. M. Monteiro, J. Harvey and J. Roesler, MT May/June 01, p216-221.
Thermogravimetric Analysis of Carbonate Aggregates, Mohamed Nagib Abou-Zeid and Stephen A. Cross, P.E., MT May 99, p98-104.

Protective coatings
Effect of Bars Properties on Bond Strength of Galvanized Reinforcement, F. Belaid, G. Arliguie and R. François, MT Nov./Dec. 01, p454-458.

Punching
Punching Shear Strength of Simply Supported Ferrocement Slabs, M. A. Mansur, I. Ahmad and P. Paramasivam, MT Nov./Dec. 01, p418-426.

Recycling
Chemical Reactions of Glass Cullet Used as Cement Component, Thomas D. Dyer and Ravindra K. Dhir, MT Nov./Dec. 01, p412-417.
Recycled Polymers for Use as Bitumen Modifiers, M. Murphy, M. O'Mahony, C. Lycett and I. Jamieson, MT July/Aug. 01, p306-314.

Rehabilitation
Long-Term Buckling Performance of HDPE Liners, Reda M. Bakeer, Michael E. Barber, John E. Taylor and Sean E. Pechon, MT May/June 01, p176-184.
Materials Considerations in FRP Rehabilitation of Concrete Structures, Vistasp M. Karbhari, MT Mar./Apr. 01, p90-97.

Reinforcement
Effect of Bars Properties on Bond Strength of Galvanized Reinforcement, F. Belaid, G. Arliguie and R. François, MT Nov./Dec. 01, p454-458.

Reinforcing steels
Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.
Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, M. Ramasubramanian, B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17.

Relaxation, mechanics
Fitting Prony-Series Viscoelastic Models with Power-Law Presmoothing, S. W. Park, and Y. R. Kim, MT Jan./Feb. 01, p26-32.

Repairing
About Debonding of Thin Cement-Based Overlays, J. L. Granju, MT Mar./Apr. 01, p114-120.
Evaluation of Bond Properties in Concrete Repair Materials, Kunieda Minoru, Kamada Toshiro, Uchida Yuichi and Rokugo Keitetsu, MT Mar./Apr. 01, p98-105.
Fracture and Fatigue Strength of Slabs Repaired with D-RAP Method, H. Matsushima, T. Watanabe, M. Yasui, W. Koyanagi and T. Aoki, MT Mar./Apr. 01, p130-135.
Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.
Special Issue on Fracture Mechanics in Concrete Repair/Strengthening, T. C. Triantafillou, MT Mar./Apr. 01, p89.
Use of Electrodeposition for Repair of Concrete with Shrinkage Cracks, Nobuaki Otsuki and Jae-Suk Ryu, MT Mar./Apr. 01, p136-142.

Residual stress
Residual Stresses in Heat-Straightened Steel Members, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Jan./Feb. 01, p18-25.

Resilience
Modeling Resilient Modulus and Temperature Correction for Saudi Roads, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305.

Resistance
Accelerated Test for Measuring Sulfate Resistance of Calcium Sulfoaluminate, Calcium Aluminate, and Portland Cements, K. E. Kurtis, K. Shomglin, P. J. M. Monteiro, J. Harvey and J. Roesler, MT May/June 01, p216-221.

Resonance
Anisotropic Elastic Constants: Measurement by Impact Resonance, Paul Heyliger, Pontus Ugander and Hassel Ledbetter, MT Sept./Oct. 01, p356-363.

Retrofitting
Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, Christopher K. Y. Leung, MT Mar./Apr. 01, p106-113.

Reviews
Editorial, Antonio Nanni, MT Jan./Feb. 01, p1.

Rheological properties
Unifying Asphalt Rheological Data Using the Material's Volumetric-Flow Rate, Aroon Shenoy, MT July/Aug. 01, p260-273.

Roads
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.
Modeling Resilient Modulus and Temperature Correction for Saudi Roads, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305.

Rocks
Effect of Treatments on Pore Network of Granites, A. C. Iñigo, S. Vicente-Tavera, M. A. Vicente and V. Rives, MT May/June 01, p166-168.

Roller compacted concrete
RCC Mix Design—Soils Approach, Ying-Kit Choi, P.E. and Jeffrey L. Groom, P.E., MT Jan./Feb. 01, p71-76.

Saline ground water
Long-Term Strength and Durability of Soil Cement, Sabry A. Shihata and Zaki A. Baghdadi, MT May/June 01, p161-165.

Sand
Source of Jointing Sand for Concrete Block Pavement, Bikasha Chandra Panda and Ashok Kumar Ghosh, MT May/June 01, p235-237.

Saudi Arabia
Modeling Resilient Modulus and Temperature Correction for Saudi Roads, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305.

Scour
Source of Jointing Sand for Concrete Block Pavement, Bikasha Chandra Panda and Ashok Kumar Ghosh, MT May/June 01, p235-237.

Sea water
Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, C. Andrade, A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324.

Shear resistance
Source of Jointing Sand for Concrete Block Pavement, Bikasha Chandra Panda and Ashok Kumar Ghosh, MT May/June 01, p235-237.

Shear strength
Effect of Variables on Shear Strength of Concrete Beams, Karim S. Rebeiz, Javier Fente and Michael A. Frabizzio, MT Nov./Dec. 01, p467-470.
Punching Shear Strength of Simply Supported Ferrocement Slabs, M. A. Mansur, I. Ahmad and P. Paramasivam, MT Nov./Dec. 01, p418-426.

Sheets
Static and Dynamic Behavior of Extruded Sheets with Short Fibers, Zongjin Li, Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254.

Shrinkage
Numerical Model for Minimizing the Risk of Damage in a Repair System, Giovanni Martinola, Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129.

Silica
Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, Bruce G. Smith, MT Jan./Feb. 01, p41-48.
Static and Dynamic Behavior of Extruded Sheets with Short Fibers, Zongjin Li, Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254.

Size effect
Size–Effect on Fatigue in Bending of Concrete, Jun Zhang, Victor C. Li and Henrik Stang, MT Nov./Dec. 01, p446-453.

Slabs
Punching Shear Strength of Simply Supported Ferrocement Slabs, M. A. Mansur, I. Ahmad and P. Paramasivam, MT Nov./Dec. 01, p418-426.

Slag
Static and Dynamic Behavior of Extruded Sheets with Short Fibers, Zongjin Li, Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254.

Soil cement
Long-Term Strength and Durability of Soil Cement, Sabry A. Shihata and Zaki A. Baghdadi, MT May/June 01, p161-165.
Pullout Tests on Deformed and Plain Rebars in Cement-Stabilized Rammed Earth, Peter J. Walker and Stephen Dobson, MT July/Aug. 01, p291-297.
Simplified Method to Assess Freeze-Thaw Durability of Soil Cement, S. A. Shihata and Z. A. Baghdadi, MT July/Aug. 01, p243-247.

Soil stabilization
Stabilization of Sebkha Soil Using Foamed Asphalt, Ibrahim Mohammed Asi, MT Sept./Oct. 01, p325-331.

Spatial distribution
Surface Zone Concrete: Drying, Absorption, and Moisture Distribution, W. J. McCarter, D. W. Watson and T. M. Chrisp, MT Jan./Feb. 01, p49-57.

Stabilization
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

Statistical analysis
Full Factorial Optimization of Concrete Mix Design for Hot Climates, K. A. Soudki, E. F. El-Salakawy and N. B. Elkum, MT Nov./Dec. 01, p427-433.
Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, P. Romero and E. Masad, MT Jan./Feb. 01, p77-84.

Steel
Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, Tarek Uddin Mohammed, Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201.
Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, M. Ramasubramanian, B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17.
Modeling of Concrete Cracking Induced by Steel Expansion, Christopher K. Y. Leung, MT May/June 01, p169-175.

Steel fibers
High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete, Maria de Lurdes B. C. Reis, I. Cabrita Neves, A. J. B. Tadeu and João Paulo C. Rodrigues, MT May/June 01, p230-234.
Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324.

Steel frames
Durability Evaluation of Intumescent Coating for Steel Frames, Y. Sakumoto, J. Nagata, A. Kodaira and Y. Saito, MT July/Aug. 01, p274-281.

Steel plates
Residual Stresses in Heat-Straightened Steel Members, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Jan./Feb. 01, p18-25.

Stiffness
Effect of Polar Anisotropy of Wood Loaded Perpendicular to Grain, Simon Aicher, Gerhard Dill-Langer and Lilian Höfflin, MT Jan./Feb. 01, p2-9.

Stones
Effect of Treatments on Pore Network of Granites, A. C. Iñigo, S. Vicente-Tavera, M. A. Vicente and V. Rives, MT May/June 01, p166-168.

Strength
Masonry Failure Criterion under Biaxial Stress State, C. A. Syrmakezis and P. G. Asteris, MT Jan./Feb. 01, p58-64.
Static and Dynamic Behavior of Extruded Sheets with Short Fibers, Zongjin Li, Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254.

Stress
Review of Water Ingress Characteristic of Stressed Masonry, C. J. Tait, F. M. Khalaf and A. Kermani, MT Sept./Oct. 01, p332-339.

Stress intensity factor
Fracture Mechanics of Marble Using a Splitting Tension Test, T. Celestino, R. Piltner, P. J. M. Monteiro and C. P. Ostertag, MT Nov./Dec. 01, p407-411.

Stress strain curves
Complete Triaxial Stress-Strain Curves of High-Strength Concrete, D. C. Candappa, J. G. Sanjayan and S. Setunge, MT May/June 01, p209-215.

Stress strain relations
Stress-Strain-Temperature Relationship for Structural Steel, K. W. Poh, MT Sept./Oct. 01, p371-379.

Structural steels
Stress-Strain-Temperature Relationship for Structural Steel, K. W. Poh, MT Sept./Oct. 01, p371-379.

Structure reinforcement
Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, M. Ramasubramanian, B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17.
Pullout Tests on Deformed and Plain Rebars in Cement-Stabilized Rammed Earth, Peter J. Walker and Stephen Dobson, MT July/Aug. 01, p291-297.
Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, C. Andrade, A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324.

Temperature
Modeling Resilient Modulus and Temperature Correction for Saudi Roads, Hamad I. Al-Abdul Wahhab, Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305.

Temperature effects
High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete, Maria de Lurdes B. C. Reis, I. Cabrita Neves, A. J. B. Tadeu and João Paulo C. Rodrigues, MT May/June 01, p230-234.
Residual Stresses in Heat-Straightened Steel Members, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Jan./Feb. 01, p18-25.
Stress-Strain-Temperature Relationship for Structural Steel, K. W. Poh, MT Sept./Oct. 01, p371-379.
Thermogravimetric Analysis of Carbonate Aggregates, Mohamed Nagib Abou-Zeid and Stephen A. Cross, P.E., MT May 99, p98-104.

Tensile strength
Fracture Properties of High-Strength Concrete, Zhang Dong and Wu Keru, MT Jan./Feb. 01, p86-88.

Tension
Fracture Analysis of High Strength Concrete Members, Rajendra K. Navalurkar and Cheng-Tzu Thomas Hsu, MT May/June 01, p185-193.

Tests
Accelerated Test for Measuring Sulfate Resistance of Calcium Sulfoaluminate, Calcium Aluminate, and Portland Cements, K. E. Kurtis, K. Shomglin, P. J. M. Monteiro, J. Harvey and J. Roesler, MT May/June 01, p216-221.
Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, C. Andrade, A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324.
Time-Dependent Creep Behavior of Particulate Materials, M. Y. Abyaneh, M. J. Keedwell and C. Leppard, MT May/June 01, p222-228.

Thawing
Simplified Method to Assess Freeze-Thaw Durability of Soil Cement, S. A. Shihata and Z. A. Baghdadi, MT July/Aug. 01, p243-247.

Time dependence
Time-Dependent Creep Behavior of Particulate Materials, M. Y. Abyaneh, M. J. Keedwell and C. Leppard, MT May/June 01, p222-228.

Time factors
Time Effect of Alkali-Aggregate Reaction on Performance of Concrete, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Mar./Apr. 01, p143-151.

Toughness
Static and Dynamic Behavior of Extruded Sheets with Short Fibers, Zongjin Li, Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254.

Transmission lines
Coaxial Transmission Lines: Development of Test Procedures for Concrete, S. G. Millard, I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208.

Triaxial tests
Complete Triaxial Stress-Strain Curves of High-Strength Concrete, D. C. Candappa, J. G. Sanjayan and S. Setunge, MT May/June 01, p209-215.
Triaxial Tests of Fiber-Reinforced Concrete, S. J. Pantazopoulou and M. Zanganeh, MT Sept./Oct. 01, p340-348.

United Kingdom
Coaxial Transmission Lines: Development of Test Procedures for Concrete, S. G. Millard, I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208.

United States
Coaxial Transmission Lines: Development of Test Procedures for Concrete, S. G. Millard, I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208.

Viscoelasticity
Fitting Prony-Series Viscoelastic Models with Power-Law Presmoothing, S. W. Park, and Y. R. Kim, MT Jan./Feb. 01, p26-32.

Waste utilization
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

Water
Enhancing Water Resistance of Cement and Gypsum-Cement Materials, Konstantin Kovler, MT Sept./Oct. 01, p349-355.

Water infiltration
Review of Water Ingress Characteristic of Stressed Masonry, C. J. Tait, F. M. Khalaf and A. Kermani, MT Sept./Oct. 01, p332-339.

Width
Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, Tarek Uddin Mohammed, Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201.

Wood
Effect of Polar Anisotropy of Wood Loaded Perpendicular to Grain, Simon Aicher, Gerhard Dill-Langer and Lilian Höfflin, MT Jan./Feb. 01, p2-9.

AUTHOR INDEX

Abou-Zeid, Mohamed Nagib
Thermogravimetric Analysis of Carbonate Aggregates, with Stephen A. Cross, P.E., MT May 99, p98-104
disc: Brian Mather, MT May/June 01, p239

Abyaneh, M. Y.
Time-Dependent Creep Behavior of Particulate Materials, with M. J. Keedwell and C. Leppard, MT May/June 01, p222-228

Ahmad, I.
see Mansur, M. A., MT Nov./Dec. 01, p418-426

Aicher, Simon
Effect of Polar Anisotropy of Wood Loaded Perpendicular to Grain, with Gerhard Dill-Langer and Lilian Höfflin, MT Jan./Feb. 01, p2-9

Al-Qadi, I. L.
see Millard, S. G., MT May/June 01, p202-208

Alshamsi, A. M.
see Shattaf, N. R., MT Sept./Oct. 01, p380-388

Altun, Fatih
Flexural Behavior of Composite Reinforced Concrete Elements, with Tefaruk Haktanir, MT July/Aug. 01, p255-259

Andrade, C.
Tests on Bond of Galvanized Rebar and Concrete Cured in Seawater, with A. Arteaga, C. López-Hombrados and A. Vázquez, MT Sept./Oct. 01, p319-324

Aoki, T.
see Matsushima, H., MT Mar./Apr. 01, p130-135

Arliguie, G.
see Belaïd, F., MT Nov./Dec. 01, p454-458

Arteaga, A.
see Andrade, C., MT Sept./Oct. 01, p319-324

Asi, Ibrahim M.
see Wahhab, Hamad I. Al-Abdul, MT July/Aug. 01, p298-305

Asi, Ibrahim Mohammed
Stabilization of Sebkha Soil Using Foamed Asphalt, MT Sept./Oct. 01, p325-331

Asteris, P. G.
see Syrmakezis, C. A., MT Jan./Feb. 01, p58-64

Avent, R. Richard
Residual Stresses in Heat-Straightened Steel Members, with David J. Mukai and Paul F. Robinson, MT Jan./Feb. 01, p18-25

Baghdadi, Z. A.
see Shihata, S. A., MT July/Aug. 01, p243-247

Baghdadi, Zaki A.
see Shihata, Sabry A., MT May/June 01, p161-165

Bakeer, Reda M.
Long-Term Buckling Performance of HDPE Liners, with Michael E. Barber, John E. Taylor and Sean E. Pechon, MT May/June 01, p176-184

Barber, Michael E.
see Bakeer, Reda M., MT May/June 01, p176-184

Belaïd, F.
Effect of Bars Properties on Bond Strength of Galvanized Reinforcement, with G. Arliguie and R. François, MT Nov./Dec. 01, p454-458

Bittencourt, R. M.
Mass Concrete Mixtures Based on Fineness Modulus and Geometrical Gradation, with J. T. F. Fontoura, W. Pacelli de Andrade and P. J. M. Monteiro, MT Jan./Feb. 01, p33-40

Bungey, J. H.
see Millard, S. G., MT May/June 01, p202-208

Candappa, D. C.
Complete Triaxial Stress-Strain Curves of High-Strength Concrete, with J. G. Sanjayan and S. Setunge, MT May/June 01, p209-215

Cattaneo, Sara
Damage of Marble from Cyclic Loading, with Joseph F. Labuz, MT Nov./Dec. 01, p459-465

Celestino, T.
Fracture Mechanics of Marble Using a Splitting Tension Test, with R. Piltner, P. J. M. Monteiro and C. P. Ostertag, MT Nov./Dec. 01, p407-411

Choi, Ying-Kit, P.E.
RCC Mix Design—Soils Approach, with Jeffrey L. Groom, P.E., MT Jan./Feb. 01, p71-76

Chrisp, T. M.
see McCarter, W. J., MT Jan./Feb. 01, p49-57

Chui, Stanley N. C.
see Li, Zongjin, MT July/Aug. 01, p248-254

Cosenza, E.
see Pecce, M., MT July/Aug. 01, p282-290

Cross, Stephen A., P.E.
see Abou-Zeid, Mohamed Nagib, MT May 99, p98-104

Daniel, Jo Sias
Laboratory Evaluation of Fatigue Damage and Healing of Asphalt Mixtures, with Y. Richard Kim, MT Nov./Dec. 01, p434-440

Dhir, Ravindra K.
see Dyer, Thomas D., MT Nov./Dec. 01, p412-417

Dill-Langer, Gerhard
see Aicher, Simon, MT Jan./Feb. 01, p2-9

Dobson, Stephen
see Walker, Peter J., MT July/Aug. 01, p291-297

Dong, Zhang
Fracture Properties of High-Strength Concrete, with Wu Keru, MT Jan./Feb. 01, p86-88

Dyer, Thomas D.
Chemical Reactions of Glass Cullet Used as Cement Component, with Ravindra K. Dhir, MT Nov./Dec. 01, p412-417

Elkum, N. B.
see Soudki, K. A., MT Nov./Dec. 01, p427-433

El-Salakawy, E. F.
see Soudki, K. A., MT Nov./Dec. 01, p427-433

Fente, Javier
see Rebeiz, Karim S., MT Nov./Dec. 01, p467-470

Fontoura, J. T. F.
see Bittencourt, R. M., MT Jan./Feb. 01, p33-40

Frabizzio, Michael A.
see Rebeiz, Karim S., MT Nov./Dec. 01, p467-470

François, R.
see Belaïd, F., MT Nov./Dec. 01, p454-458

Ghosh, Ambarish
Microstructural Development in Fly Ash Modified with Lime and Gypsum, with Chillara Subbarao, MT Jan./Feb. 01, p65-70
disc. (of Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, by A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163) with Chillara Subbarao, MT July/Aug. 01, p316

Ghosh, Ashok Kumar
see Panda, Bikasha Chandra, MT May/June 01, p235-237

Glass, Gareth K.
disc. (of Developments in Cathodic Protection Applied to Reinforced Concrete, by Christopher L. Page and George Sergi, MT Feb. 00, p8-15), MT Sept./Oct. 01, p396-397

Granju, J. L.
About Debonding of Thin Cement-Based Overlays, MT Mar./Apr. 01, p114-120

Groom, Jeffrey L., P.E.
see Choi, Ying-Kit, P.E., MT Jan./Feb. 01, p71-76

Haktanir, Tefaruk
see Altun, Fatih, MT July/Aug. 01, p255-259

Haran, B. S.
see Ramasubramanian, M., MT Jan./Feb. 01, p10-17

Harvey, J.
see Kurtis, K. E., MT May/June 01, p216-221

Heyliger, Paul
Anisotropic Elastic Constants: Measurement by Impact Resonance, with Pontus Ugander and Hassel Ledbetter, MT Sept./Oct. 01, p356-363

Hisada, Makoto
see Mohammed, Tarek Uddin, MT May/June 01, p194-201

Höfflin, Lilian
see Aicher, Simon, MT Jan./Feb. 01, p2-9

Hoshiro, Hideki
see Redon, Carl, MT Nov./Dec. 01, p399-406

Hsu, Cheng-Tzu Thomas
see Navalurkar, Rajendra K., MT May/June 01, p185-193

Iñigo, A. C.
Effect of Treatments on Pore Network of Granites, with S. Vicente-Tavera, M. A. Vicente and V. Rives, MT May/June 01, p166-168

Jamieson, I.
see Murphy, M., MT July/Aug. 01, p306-314

Jansen, Daniel C.
see Palmquist, Shane M., MT Sept./Oct. 01, p389-394

Janz, Marten
Technique for Measuring Moisture Storage Capacity at High Moisture Levels, MT Sept./Oct. 01, p364-370

Karbhari, Vistasp M.
Materials Considerations in FRP Rehabilitation of Concrete Structures, MT Mar./Apr. 01, p90-97

Keedwell, M. J.
see Abyaneh, M. Y., MT May/June 01, p222-228

Keitetsu, Rokugo
see Minoru, Kunieda, MT Mar./Apr. 01, p98-105

Kermani, A.
see Tait, C. J., MT Sept./Oct. 01, p332-339

Keru, Wu
see Dong, Zhang, MT Jan./Feb. 01, p86-88

Khalaf, F. M.
see Tait, C. J., MT Sept./Oct. 01, p332-339

Kim, Y. R.
see Park., S. W., MT Jan./Feb. 01, p26-32

Kim, Y. Richard
see Daniel, Jo Sias, MT Nov./Dec. 01, p434-440

Kodaira, A.
see Sakumoto, Y., MT July/Aug. 01, p274-281

Kovler, Konstantin
Enhancing Water Resistance of Cement and Gypsum-Cement Materials, MT Sept./Oct. 01, p349-355

Koyanagi, W.
see Matsushima, H., MT Mar./Apr. 01, p130-135

Kurtis, K. E.
Accelerated Test for Measuring Sulfate Resistance of Calcium Sulfoaluminate, Calcium Aluminate, and Portland Cements, with K. Shomglin, P. J. M. Monteiro, J. Harvey and J. Roesler, MT May/June 01, p216-221

Labuz, Joseph F.
see Cattaneo, Sara, MT Nov./Dec. 01, p459-465

Lav, A. Hilmi
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, with M. Aysen Lav, MT May 00, p157-163
disc: Ambarish Ghosh and Chillara Subbarao, MT July/Aug. 01, p316
clo: MT July/Aug. 01, p316-317

Lav, M. Aysen
see Lav, A. Hilmi, MT May 00, p157-163

Ledbetter, Hassel
see Heyliger, Paul, MT Sept./Oct. 01, p356-363

Leppard, C.
see Abyaneh, M. Y., MT May/June 01, p222-228

Leung, Christopher K. Y.
Delamination Failure in Concrete Beams Retrofitted with a Bonded Plate, MT Mar./Apr. 01, p106-113
Modeling of Concrete Cracking Induced by Steel Expansion, MT May/June 01, p169-175

Li, Victor C.
see Redon, Carl, MT Nov./Dec. 01, p399-406
see Zhang, Jun, MT Nov./Dec. 01, p446-453

Li, Zongjin
Static and Dynamic Behavior of Extruded Sheets with Short Fibers, with Bin Mu and Stanley N. C. Chui, MT July/Aug. 01, p248-254

López-Hombrados, C.
see Andrade, C., MT Sept./Oct. 01, p319-324

Lycett, C.
see Murphy, M., MT July/Aug. 01, p306-314

Manfred, G.
see Pecce, M., MT July/Aug. 01, p282-290

Mansur, M. A.
Punching Shear Strength of Simply Supported Ferrocement Slabs, with I. Ahmad and P. Paramasivam, MT Nov./Dec. 01, p418-426

Martinola, Giovanni
Numerical Model for Minimizing the Risk of Damage in a Repair System, with Hamid Sadouki and Folker H. Wittmann, MT Mar./Apr. 01, p121-129

Masad, E.
see Romero, P., MT Jan./Feb. 01, p77-84

Mather, Brian
disc. of Thermogravimetric Analysis of Carbonate Aggregates, by Mohamed Nagib Abou-Zeid and Stephen A. Cross, P.E., MT May 99, p98-104), MT May/June 01, p239

Matsushima, H.
Fracture and Fatigue Strength of Slabs Repaired with D-RAP Method, with T. Watanabe, M. Yasui, W. Koyanagi and T. Aoki, MT Mar./Apr. 01, p130-135

McCarter, W. J.
Surface Zone Concrete: Drying, Absorption, and Moisture Distribution, with D. W. Watson and T. M. Chrisp, MT Jan./Feb. 01, p49-57

Millard, S. G.
Coaxial Transmission Lines: Development of Test Procedures for Concrete, with I. L. Al-Qadi, M. R. Shaw, S. M. Riad, A. Shaari and J. H. Bungey, MT May/June 01, p202-208

Minoru, Kunieda
Evaluation of Bond Properties in Concrete Repair Materials, with Kamada Toshiro, Uchida Yuichi and Rokugo Keitetsu, MT Mar./Apr. 01, p98-105

Mohamed, Osama A.
Time Effect of Alkali-Aggregate Reaction on Performance of Concrete, with Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Mar./Apr. 01, p143-151

Mohammed, Tarek Uddin
Effect of Crack Width and Bar Types on Corrosion of Steel in Concrete, with Nobuaki Otsuki, Makoto Hisada and Tsunenori Shibata, MT May/June 01, p194-201

Monteiro, P. J. M.
see Bittencourt, R. M., MT Jan./Feb. 01, p33-40
see Celestino, T., MT Nov./Dec. 01, p407-411
see Kurtis, K. E., MT May/June 01, p216-221

Mu, Bin
see Li, Zongjin, MT July/Aug. 01, p248-254

Mukai, David J.
see Avent, R. Richard, MT Jan./Feb. 01, p18-25

Murphy, M.
Recycled Polymers for Use as Bitumen Modifiers, with M. O'Mahony, C. Lycett and I. Jamieson, MT July/Aug. 01, p306-314

Nagata, J.
see Sakumoto, Y., MT July/Aug. 01, p274-281

Nanni, Antonio
Editorial, MT Jan./Feb. 01, p1

Navalurkar, Rajendra K.
Fracture Analysis of High Strength Concrete Members, with Cheng-Tzu Thomas Hsu, MT May/June 01, p185-193

Neves, I. Cabrita
see Reis, Maria de Lurdes B. C., MT May/June 01, p230-234

Ogawa, Atsuhisa
see Redon, Carl, MT Nov./Dec. 01, p399-406

O'Mahony, M.
see Murphy, M., MT July/Aug. 01, p306-314

Ostertag, C. P.
see Celestino, T., MT Nov./Dec. 01, p407-411

Otsuki, Nobuaki
Use of Electrodeposition for Repair of Concrete with Shrinkage Cracks, with Jae-Suk Ryu, MT Mar./Apr. 01, p136-142
see Mohammed, Tarek Uddin, MT May/June 01, p194-201

Pacelli de Andrade, W.
see Bittencourt, R. M., MT Jan./Feb. 01, p33-40

Page, Christopher L.
Developments in Cathodic Protection Applied to Reinforced Concrete, with George Sergi, MT Feb. 00, p8-15
disc: Gareth K. Glass, MT Sept./Oct. 01, p396-397
clo: MT Sept./Oct. 01, p397-398

Palmquist, Shane M.
Compressive Behavior of Concrete with Vitrified Soil Aggregate, with Daniel C. Jansen and Christopher W. Swan, MT Sept./Oct. 01, p389-394

Panda, Bikasha Chandra
Source of Jointing Sand for Concrete Block Pavement, with Ashok Kumar Ghosh, MT May/June 01, p235-237

Pantazopoulou, S. J.
Triaxial Tests of Fiber-Reinforced Concrete, with M. Zanganeh, MT Sept./Oct. 01, p340-348

Paramasivam, P.
see Mansur, M. A., MT Nov./Dec. 01, p418-426

Park,, S. W.
Fitting Prony-Series Viscoelastic Models with Power-Law Presmoothing, with Y. R. Kim, MT Jan./Feb. 01, p26-32

Pecce, M.
Experimental and Analytical Evaluation of Bond Properties of GFRP Bars, with G. Manfred, R. Realfonzo and E. Cosenza, MT July/Aug. 01, p282-290

Pechon, Sean E.
see Bakeer, Reda M., MT May/June 01, p176-184

Petrou, M. F.
see Ramasubramanian, M., MT Jan./Feb. 01, p10-17

Pierre, P.
Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, with R. Pleau and M. Pigeon, MT Nov. 99, p317-324
disc: Hwai-Chung Wu, MT May/June 01, p240-241

Pigeon, M.
see Pierre, P., MT Nov. 99, p317-324

Piltner, R.
see Celestino, T., MT Nov./Dec. 01, p407-411

Pleau, R.
see Pierre, P., MT Nov. 99, p317-324

Poh, K. W.
Stress-Strain-Temperature Relationship for Structural Steel, MT Sept./Oct. 01, p371-379

Popov, B. N.
see Ramasubramanian, M., MT Jan./Feb. 01, p10-17

Popova, S.
see Ramasubramanian, M., MT Jan./Feb. 01, p10-17

Porbaha, Ali
see Tsuchida, Takashi, MT Mar./Apr. 01, p152-160

Ramadhan, Rezqallah H.
see Wahhab, Hamad I. Al-Abdul, MT July/Aug. 01, p298-305

Ramasubramanian, M.
Inhibiting Action of Calcium Nitrite on Carbon Steel Rebars, with B. S. Haran, S. Popova, B. N. Popov, M. F. Petrou and R. E. White, MT Jan./Feb. 01, p10-17

Realfonzo, R.
see Pecce, M., MT July/Aug. 01, p282-290

Rebeiz, Karim S.
Effect of Variables on Shear Strength of Concrete Beams, with Javier Fente and Michael A. Frabizzio, MT Nov./Dec. 01, p467-470

Redon, Carl
Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix, with Victor C. Li, Cynthia Wu, Hideki Hoshiro, Tadashi Saito and Atsuhisa Ogawa, MT Nov./Dec. 01, p399-406

Reis, Maria de Lurdes B. C.
High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete, with I. Cabrita Neves, A. J. B. Tadeu and João Paulo C. Rodrigues, MT May/June 01, p230-234

Rens, Kevin L., P.E.
see Mohamed, Osama A., MT Mar./Apr. 01, p143-151

Riad, S. M.
see Millard, S. G., MT May/June 01, p202-208

Rives, V.
see Iñigo, A. C., MT May/June 01, p166-168

Robinson, Paul F.
see Avent, R. Richard, MT Jan./Feb. 01, p18-25

Rodrigues, João Paulo C.
see Reis, Maria de Lurdes B. C., MT May/June 01, p230-234

Roesler, J.
see Kurtis, K. E., MT May/June 01, p216-221

Romero, P.
Relationship between the Representative Volume Element and Mechanical Properties of Asphalt Concrete, with E. Masad, MT Jan./Feb. 01, p77-84

Ryu, Jae-Suk
see Otsuki, Nobuaki, MT Mar./Apr. 01, p136-142

Sadouki, Hamid
see Martinola, Giovanni, MT Mar./Apr. 01, p121-129

Saito, Tadashi
see Redon, Carl, MT Nov./Dec. 01, p399-406

Saito, Y.
see Sakumoto, Y., MT July/Aug. 01, p274-281

Sakumoto, Y.
Durability Evaluation of Intumescent Coating for Steel Frames, with J. Nagata, A. Kodaira and Y. Saito, MT July/Aug. 01, p274-281

Sanjayan, J. G.
see Candappa, D. C., MT May/June 01, p209-215

Sergi, George
see Page, Christopher L., MT Feb. 00, p8-15

Setunge, S.
see Candappa, D. C., MT May/June 01, p209-215

Shaari, A.
see Millard, S. G., MT May/June 01, p202-208

Shattaf, N. R.
Curing/Environment Effect on Pore Structure of Blended Cement Concrete, with A. M. Alshamsi and R. N. Swamy, MT Sept./Oct. 01, p380-388

Shaw, M. R.
see Millard, S. G., MT May/June 01, p202-208

Shenoy, Aroon
Unifying Asphalt Rheological Data Using the Material's Volumetric-Flow Rate, MT July/Aug. 01, p260-273

Shi, Caijun
Studies on Several Factors Affecting Hydration and Properties of Lime–Pozzolan Cements, MT Nov./Dec. 01, p441-445

Shibata, Tsunenori
see Mohammed, Tarek Uddin, MT May/June 01, p194-201

Shihata, S. A.
Simplified Method to Assess Freeze-Thaw Durability of Soil Cement, with Z. A. Baghdadi, MT July/Aug. 01, p243-247

Shihata, Sabry A.
Long-Term Strength and Durability of Soil Cement, with Zaki A. Baghdadi, MT May/June 01, p161-165

Shomglin, K.
see Kurtis, K. E., MT May/June 01, p216-221

Smith, Bruce G.
Durability of Silica Fume Concrete Exposed to Chloride in Hot Climates, MT Jan./Feb. 01, p41-48

Soudki, K. A.
Full Factorial Optimization of Concrete Mix Design for Hot Climates, with E. F. El-Salakawy and N. B. Elkum, MT Nov./Dec. 01, p427-433

Stalnaker, Judith J., P.E.
see Mohamed, Osama A., MT Mar./Apr. 01, p143-151

Stang, Henrik
see Zhang, Jun, MT Nov./Dec. 01, p446-453

Subbarao, Chillara
see Ghosh, Ambarish, MT Jan./Feb. 01, p65-70
see Ghosh, Ambarish, (disc), MT May 00, p157-163

Swamy, R. N.
see Shattaf, N. R., MT Sept./Oct. 01, p380-388

Swan, Christopher W.
see Palmquist, Shane M., MT Sept./Oct. 01, p389-394

Syrmakezis, C. A.
Masonry Failure Criterion under Biaxial Stress State, with P. G. Asteris, MT Jan./Feb. 01, p58-64

Tadeu, A. J. B.
see Reis, Maria de Lurdes B. C., MT May/June 01, p230-234

Tait, C. J.
Review of Water Ingress Characteristic of Stressed Masonry, with F. M. Khalaf and A. Kermani, MT Sept./Oct. 01, p332-339

Taylor, John E.
see Bakeer, Reda M., MT May/June 01, p176-184

Toshiro, Kamada
see Minoru, Kunieda, MT Mar./Apr. 01, p98-105

Triantafillou, T. C.
Special Issue on Fracture Mechanics in Concrete Repair/Strengthening, MT Mar./Apr. 01, p89

Tsuchida, Takashi
Development of a Geomaterial from Dredged Bay Mud, with Ali Porbaha and Nobuyuki Yamane, MT Mar./Apr. 01, p152-160

Ugander, Pontus
see Heyliger, Paul, MT Sept./Oct. 01, p356-363

Vázquez, A.
see Andrade, C., MT Sept./Oct. 01, p319-324

Vicente, M. A.
see Iñigo, A. C., MT May/June 01, p166-168

Vicente-Tavera, S.
see Iñigo, A. C., MT May/June 01, p166-168

Wahhab, Hamad I. Al-Abdul
Modeling Resilient Modulus and Temperature Correction for Saudi Roads, with Ibrahim M. Asi and Rezqallah H. Ramadhan, MT July/Aug. 01, p298-305

Walker, Peter J.
Pullout Tests on Deformed and Plain Rebars in Cement-Stabilized Rammed Earth, with Stephen Dobson, MT July/Aug. 01, p291-297

Watanabe, T.
see Matsushima, H., MT Mar./Apr. 01, p130-135

Watson, D. W.
see McCarter, W. J., MT Jan./Feb. 01, p49-57

White, R. E.
see Ramasubramanian, M., MT Jan./Feb. 01, p10-17

Wittmann, Folker H.
see Martinola, Giovanni, MT Mar./Apr. 01, p121-129

Wu, Cynthia
see Redon, Carl, MT Nov./Dec. 01, p399-406

Wu, Hwai-Chung
disc. (of Mechanical Properties of Steel Microfiber Reinforced Cement Pastes and Mortars, by P. Pierre, R. Pleau and M. Pigeon, MT Nov. 99, p317-324), MT May/June 01, p240-241

Yamane, Nobuyuki
see Tsuchida, Takashi, MT Mar./Apr. 01, p152-160

Yasui, M.
see Matsushima, H., MT Mar./Apr. 01, p130-135

Yuichi, Uchida
see Minoru, Kunieda, MT Mar./Apr. 01, p98-105

Zanganeh, M.
see Pantazopoulou, S. J., MT Sept./Oct. 01, p340-348

Zhang, Jun
Size–Effect on Fatigue in Bending of Concrete, with Victor C. Li and Henrik Stang, MT Nov./Dec. 01, p446-453